

**Computing and Software 734**  
**Formalized Mathematics**  
**Fall 2006**

**Exercise 1**

**20 pts.**

**Due 28 September 2006**

Assigned: 12 September 2006

Revised: 12 September 2006

The 02 Review of Mathematical Logic slides include a presentation of the syntax and semantics of STT (see slides 21–28). Using this presentation as a model, give the syntax and semantics of many-sorted first-order logic.